

Fig. 1

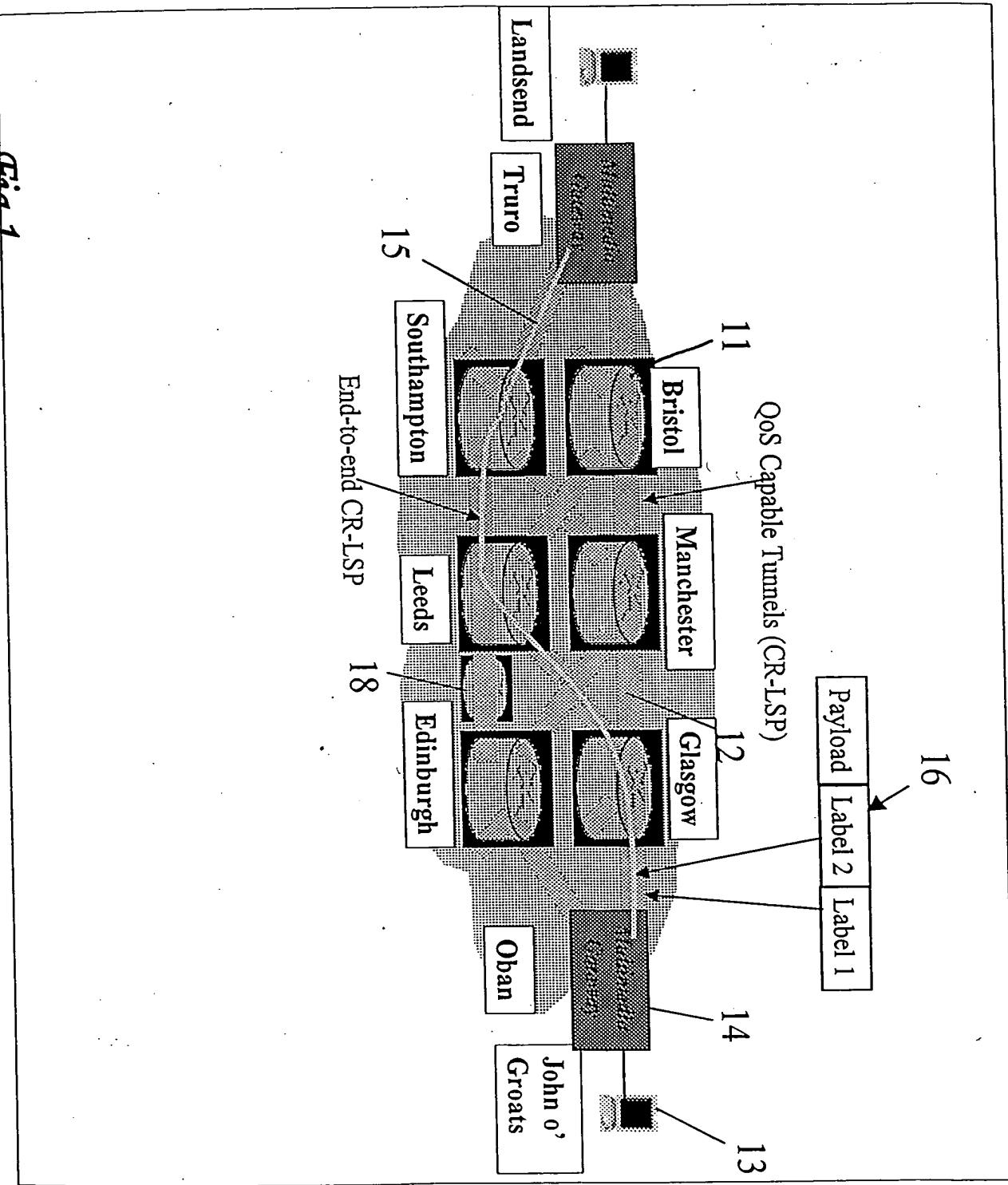


Fig.2

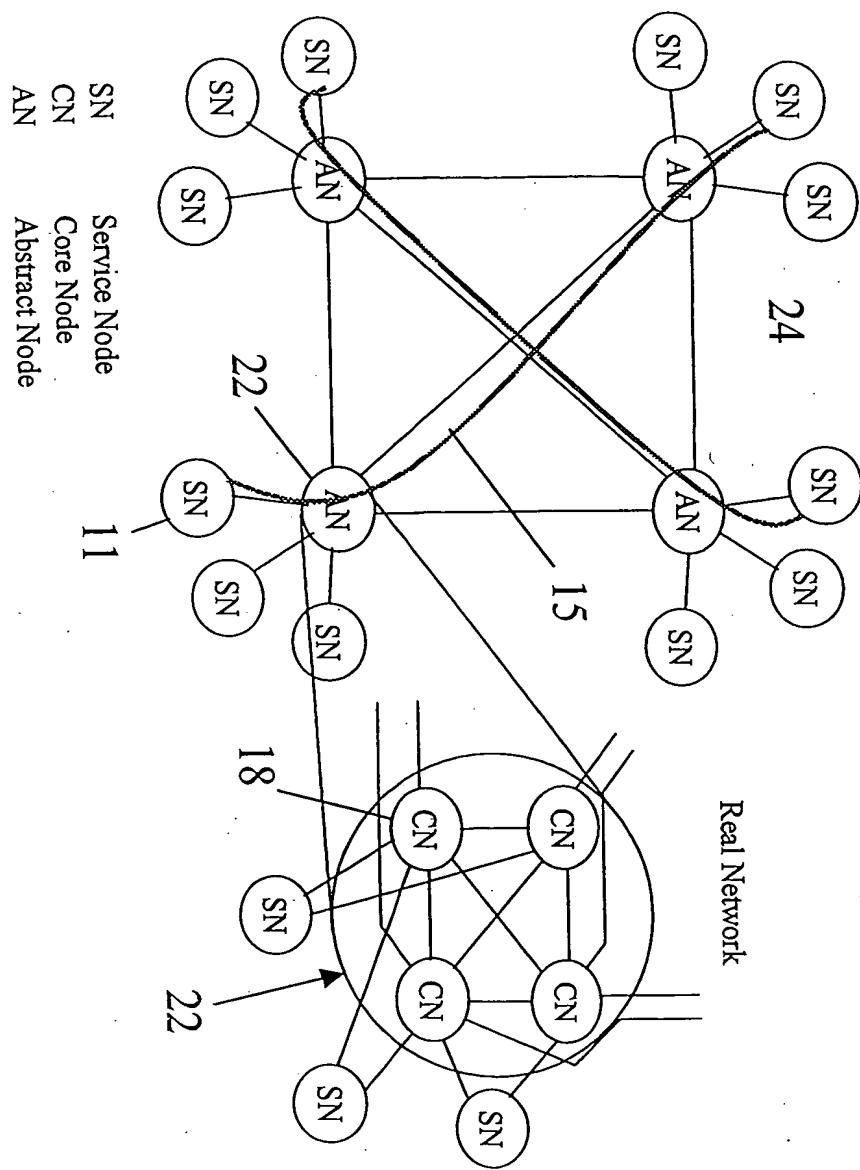


Fig.3

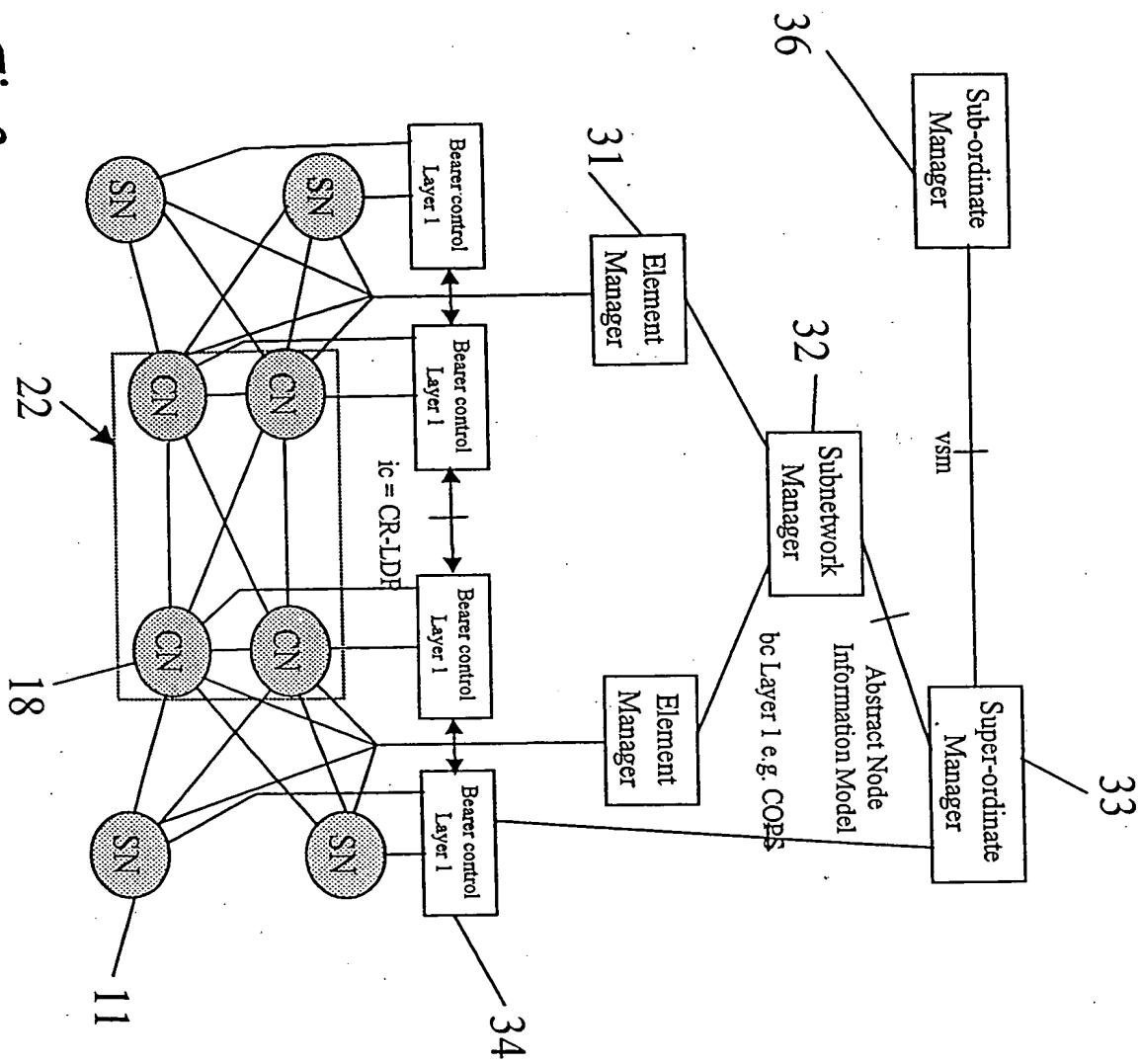
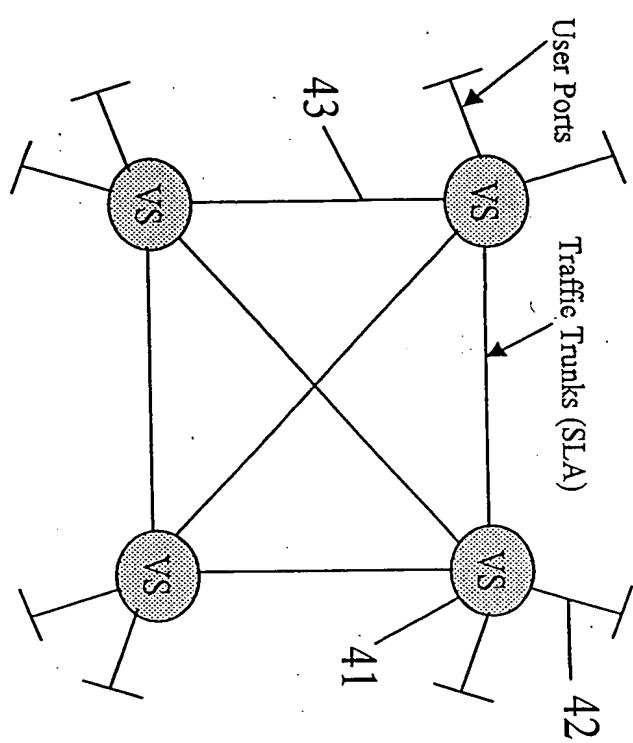
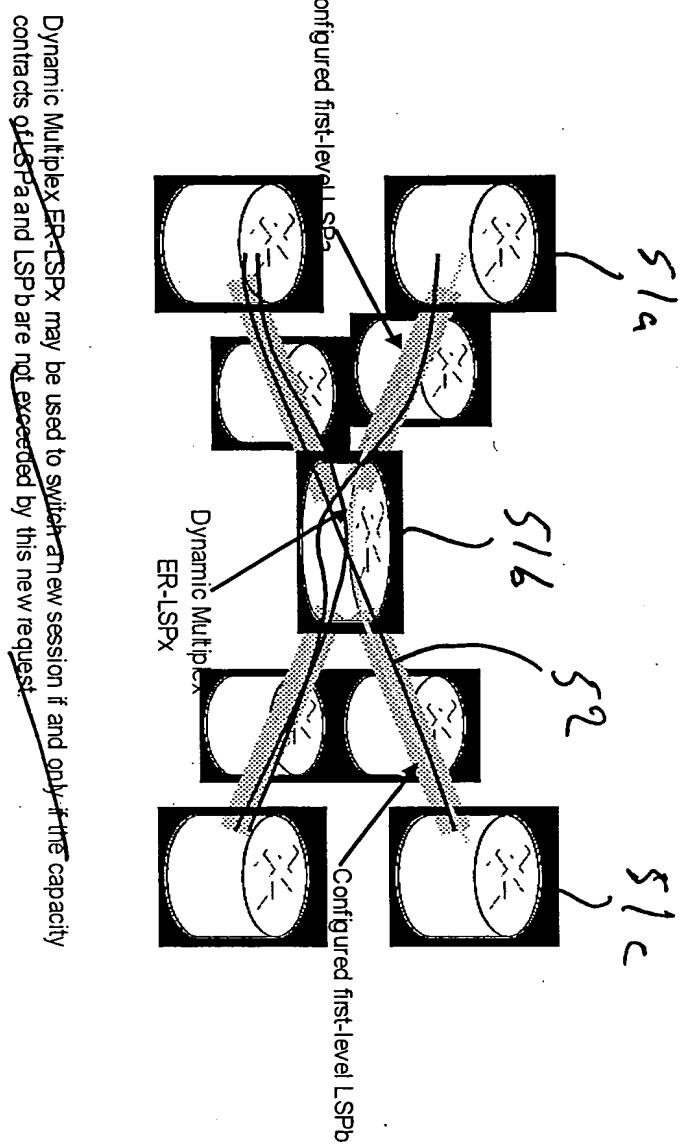


Fig.4





Dynamic Multiplex ER-LSPx may be used to switch a new session if and only if the capacity contracts of LSPa and LSPb are not exceeded by this new request.

Figure 5 Dynamic Multiplex ER-LSP

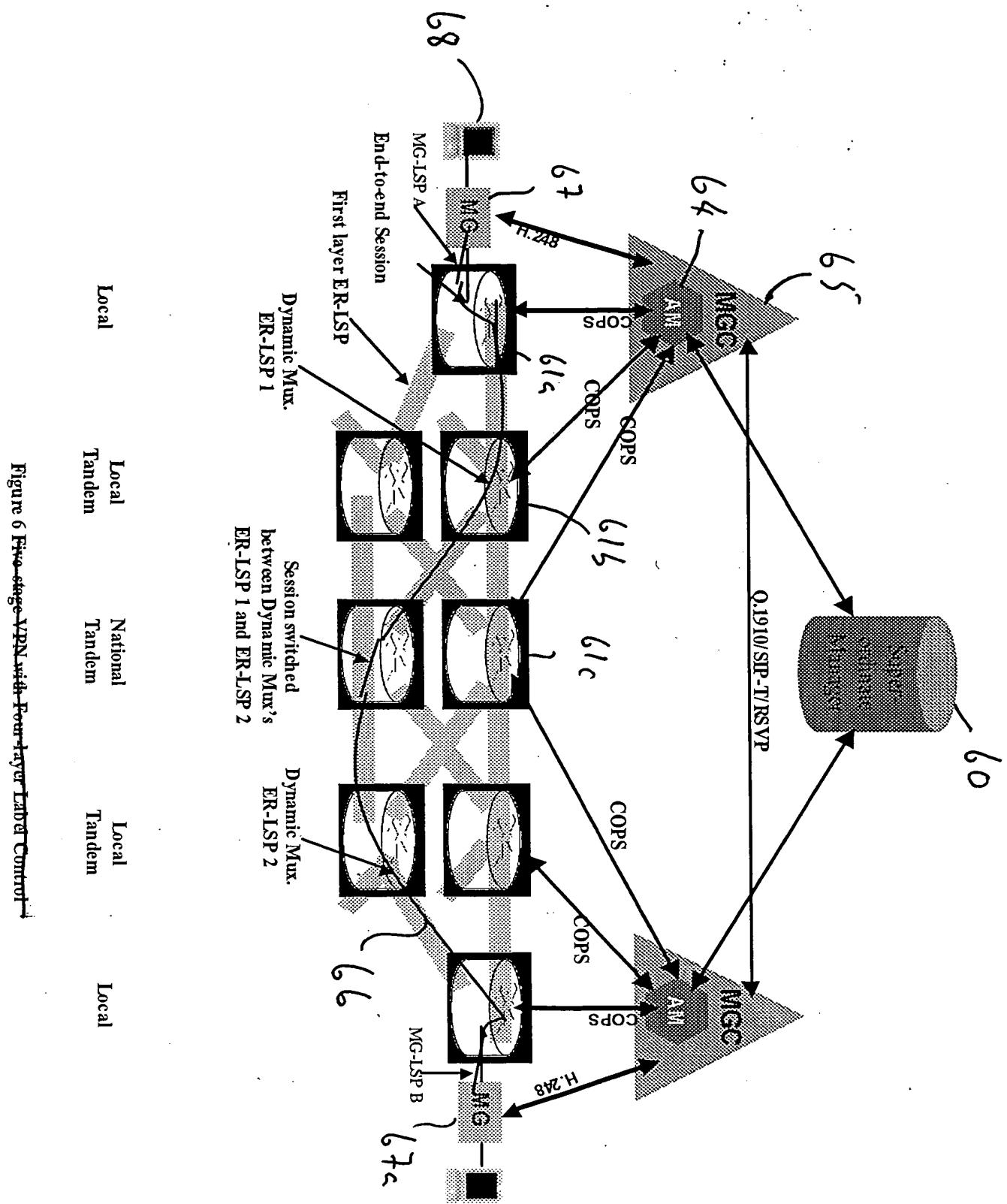


Figure 6 Five-stage VPN with Four-layer Label Control

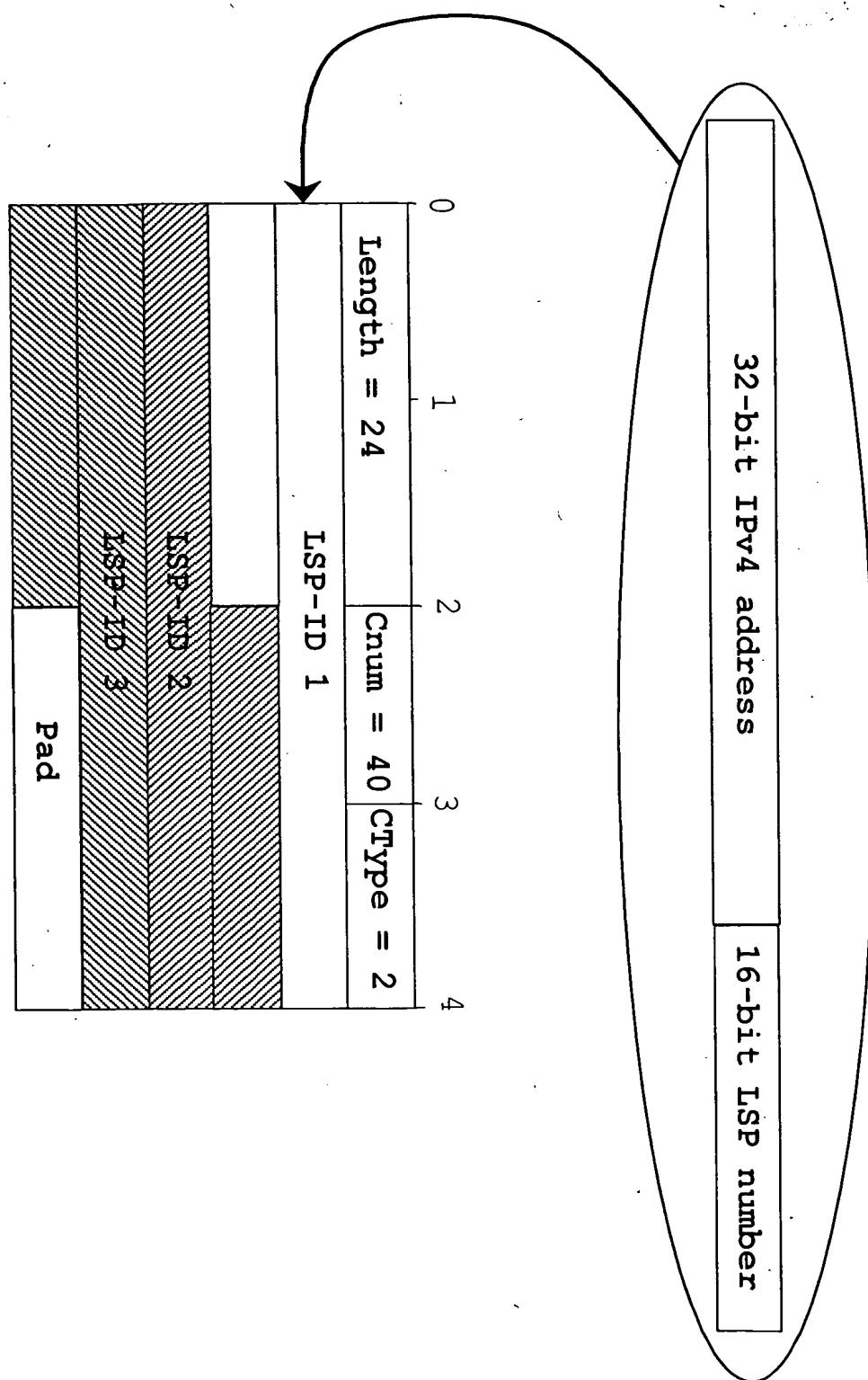


Figure 10 COPS Specific Object for LSP IDs

Figure 7

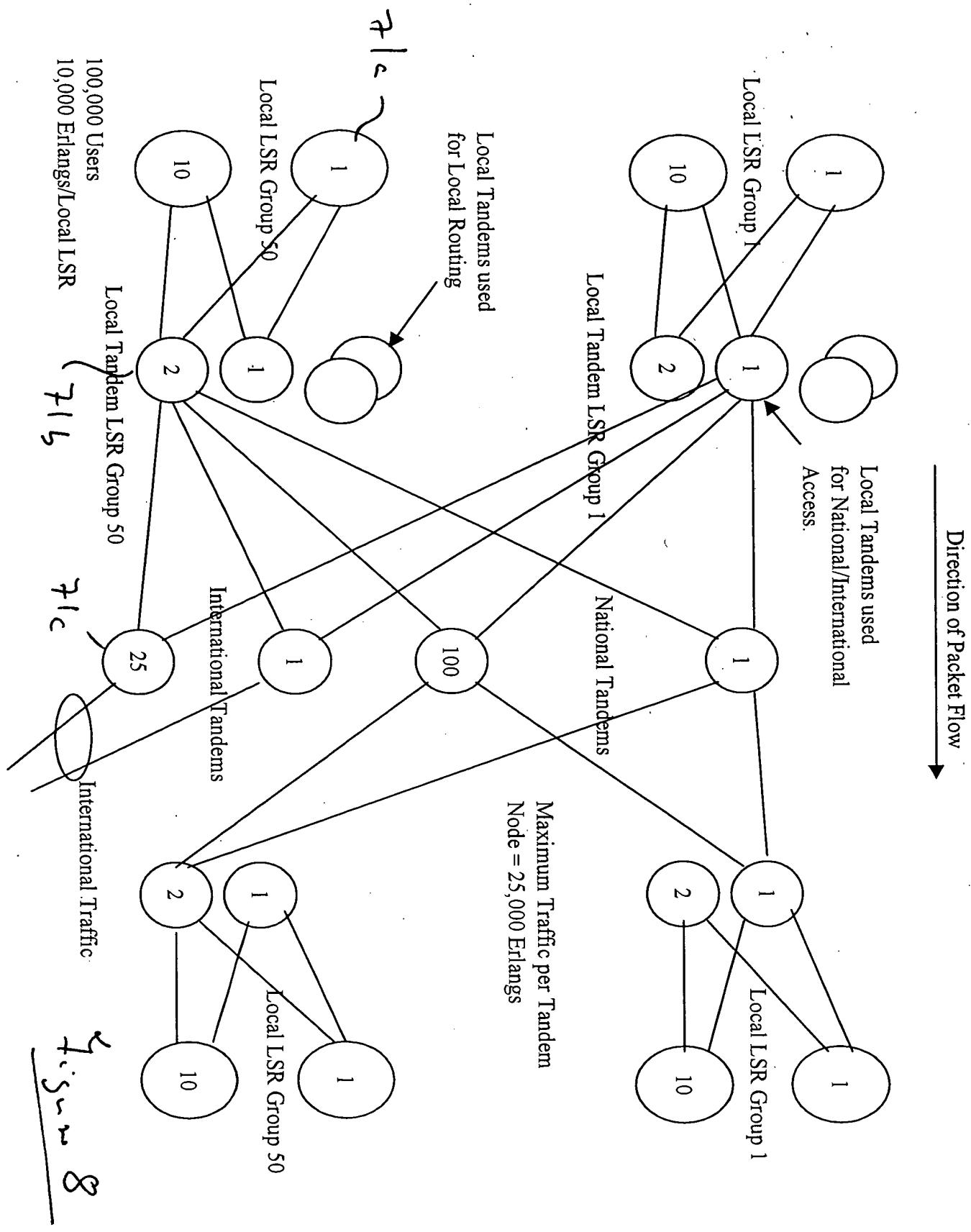
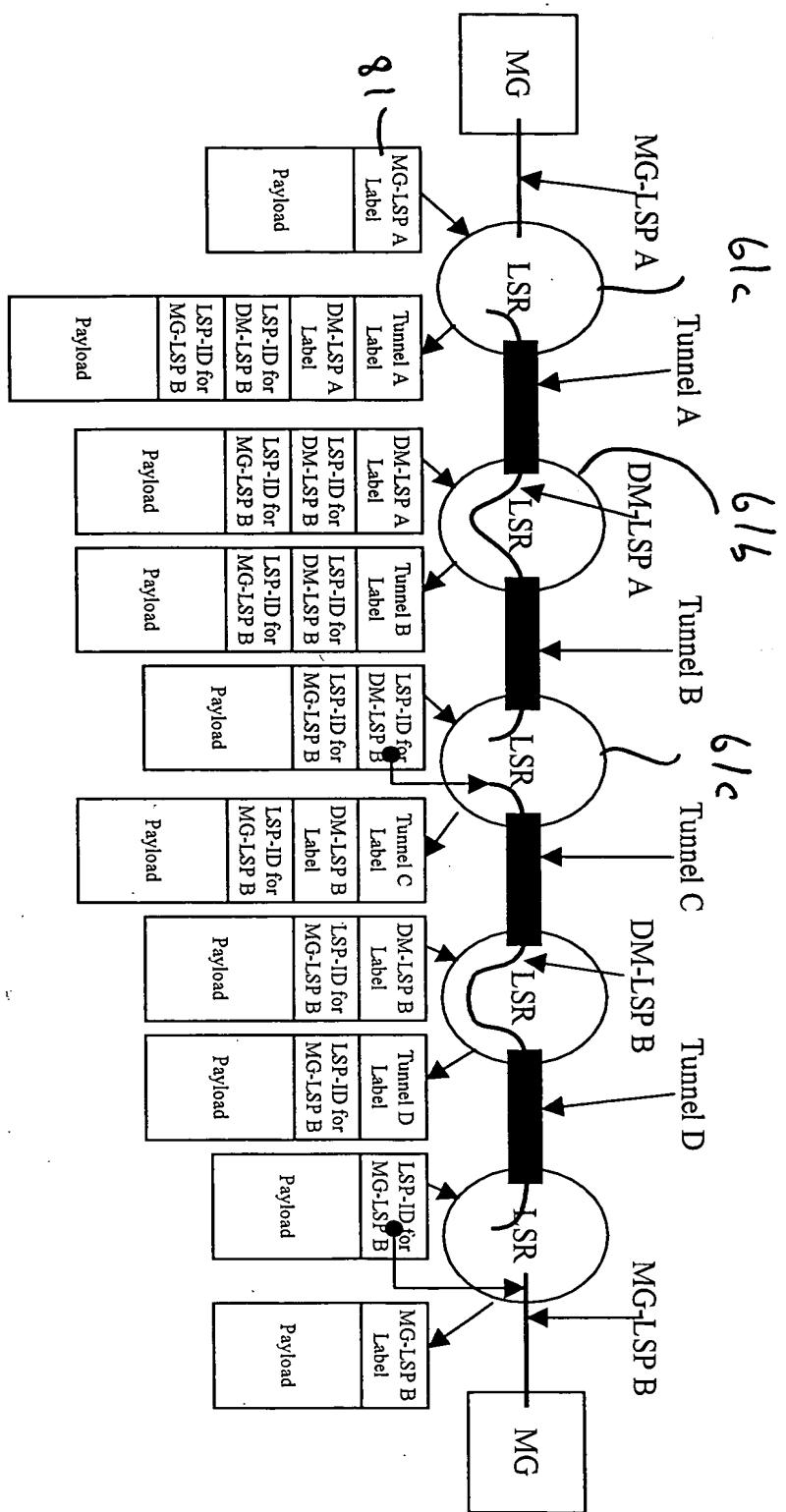


Figure 7: MPLS Network for Session Switching for Fifty Million US Users plus Fifty Million International Users



Each Tunnel is assumed to perform penultimate hop popping
at the core LSR prior to the VPN LSRs illustrated above

Figure 9
Figure 8: Packet Formats on Ingress and Egress for Five-stage MPLS Network

LSP-ID List:

(MG-LSP A, DM-LSP Ax, Ay, Az)

(MG-LSP A, DM-LSP A, DM-LSP B, MG-LSP B)

Q1901/SIP-T/RSPV(LSP-ID List)

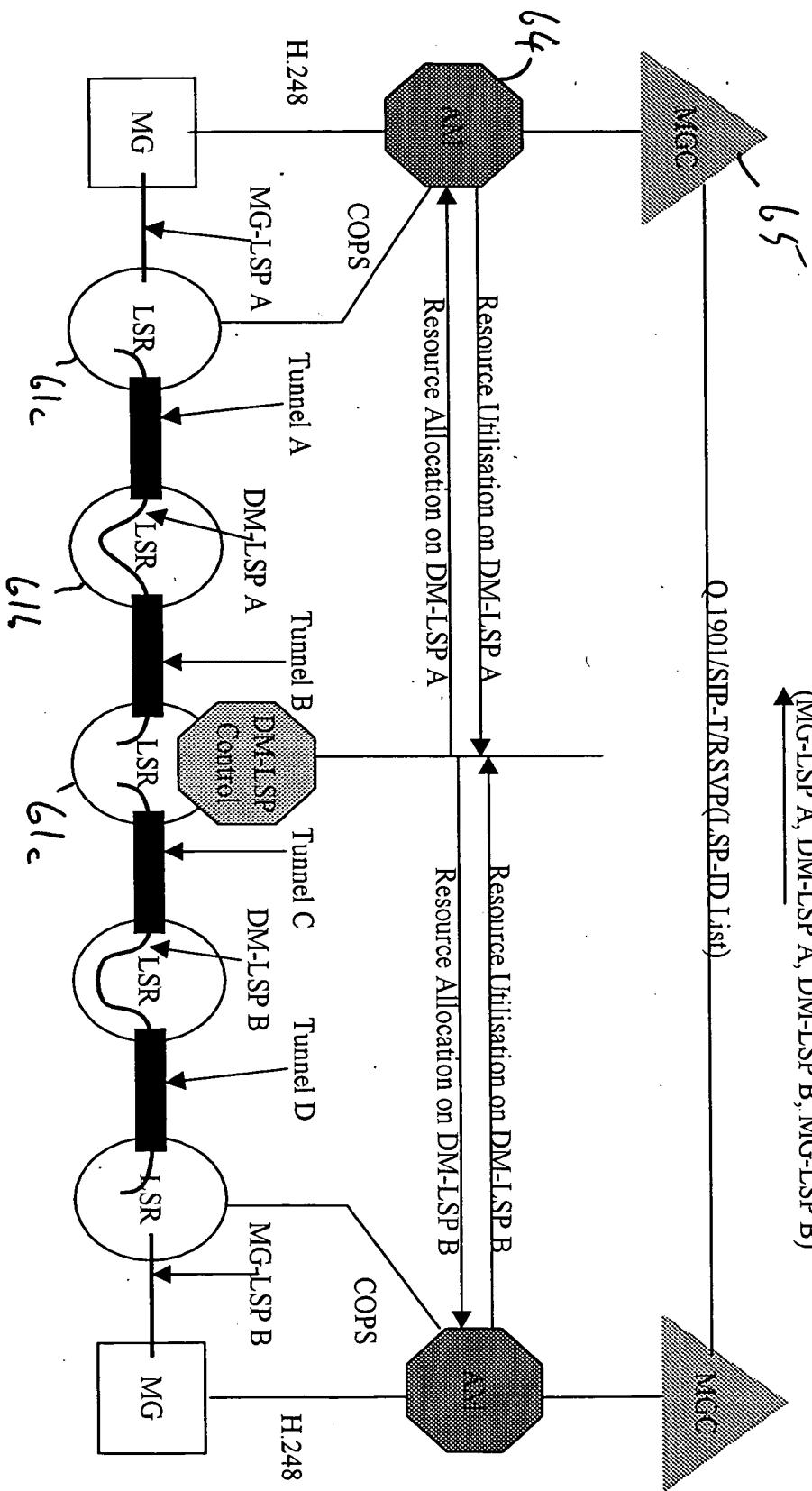


Figure 9: Control Environment for Five-stage MPLS Network
G.3 - 10